What Is Claimed Is:

1. A method for manufacturing carbon nanotube structures comprising the steps of:

applying carbon nanotubes to a low-viscosity dispersion medium to obtain a high-viscosity dispersing liquid which includes carbon nanotubes; and

forming a network of the carbon nanotubes having electrical and/or magnetic connections therebetween by removing the low-viscosity dispersion medium from the high-viscosity dispersed liquid.

- 2. The method for manufacturing carbon nanotube structures according to Claim 1, wherein other objects are further dispersed in the high-viscosity dispersing liquid.
- 3. The method for manufacturing carbon nanotube structures according to Claim 1, wherein the dispersion medium is removed while the high-viscosity dispersing liquid dispersed being in contact with given trapping sites.
- 4. The method for manufacturing carbon nanotube structures according to Claim 3, wherein the trapping sites are planar boards.
- 5. The method for manufacturing carbon nanotube structures according to Claim 3, wherein channel structures, in which the trapping sites contact the high-viscosity dispersing liquid, are contained, the high-viscosity dispersing liquid is made to contact the trapping sites through the

channel structures, and the carbon nanotubes are arranged along the channel structures.

- 6. The method for manufacturing carbon nanotube structures according to Claim 5, wherein the channel structures are formed by concave and convex parts on the planar boards.
- 7. The method for manufacturing carbon nanotube structures according to Claim 5, wherein, the channel structures are formed by patterning a surface of the planar board into a condition, in which it has a different lyophilic from that of the dispersion medium.
- 8. The method for manufacturing carbon nanotube structures according to Claim 3, wherein the trapping sites are formed by arranging particulate and/or film metal on the planar boards.
- 9. The method for manufacturing carbon nanotube structures according to Claim 1, wherein a quantity of the carbon nanotubes is controlled by adjusting a density of the carbon nanotubes in carbon nanotube structures to be produced.
 - 10. Carbon nanotube structures comprising:

networks of carbon nanotubes having electric and/or magnetic connections therebetween, which are formed by removing a low-viscosity dispersion medium from a high-viscosity dispersing liquid containing the carbon nanotubes, the high-viscosity dispersing liquid having been obtained by applying the carbon nanotubes to the low-viscosity dispersion medium.

11. The carbon nanotube structures according to Claim 10, wherein

other objects are further dispersed in the high-viscosity dispersing liquid and the other objects are dispersed and arranged in the networks.

- 12. The carbon nanotube structures according to Claim 10, wherein the networks are formed by contacting the given trapping sites.
- 13. The carbon nanotube structures according to Claim 12, wherein the trapping sites are on the planar board.
- 14. The carbon nanotube structures according to Claim 12, wherein channel structures are contained in the trapping sites and carbon nanotubes are arranged along the channel structures.
- 15. The carbon nanotube structures according to Claim 14, wherein the channel structures are formed by the concave and convex parts on the planar boards.
- 16. The carbon nanotube structures according to Claim 14, wherein the channel structures are formed by patterning surfaces of the planar boards into a condition, in which the surfaces have a different lyophilic from that of the dispersion medium.
- 17. The carbon nanotube structures according to Claim 12, wherein the trapping sites are formed by arranging particulate and/or film metal on the planar boards.
- 18. The carbon nanotube structures according to claim 10, wherein at least some of the carbon nanotubes in the networks physically contact each other.
 - 19. The carbon nanotube structures according to claim 10, wherein

objects other than the carbon nanotubes are added at least at a certain part among the carbon nanotubes in the networks.

- 20. The carbon nanotube structures according to Claim 19, wherein the objects other than the carbon nanotubes are involved with an electrical conductivity and/or magnetic characteristic among the carbon nanotubes.
- 21. Carbon nanotube devices comprising the carbon nanotube structures according to Claim 10.
- 22. The carbon nanotube devices, which are formed by two or more carbon nanotube structure layers comprising the carbon nanotube structures according to Claim 10.
- 23. The carbon nanotube devices according to Claim 22, wherein a functional layer is formed between at least two carbon nanotube structure layers.
- 24. The carbon nanotube devices according to Claim 23, wherein the functional layer contains a functional object, and some carbon nanotubes contained in both the carbon nanotube structures facing with the functional layer therebetween are electrically and/or magnetically connected through the functional layer.
- 25. The carbon nanotube devices according to Claim 21, wherein at least some of the carbon nanotube structures function as conductive wiring.
- 26. The carbon nanotube devices according to Claim 21, wherein at least some of the carbon nanotube structures function as planar electrodes.
 - 27. The carbon nanotube devices according to Claim 21, wherein at

least some of the carbon nanotube structures function as device circuits.

28. Carbon nanotube devices comprising:

carbon nanotube structures, in which networks are formed by pliural carbon nanotubes randomly intercrossed;

supporting members which support the carbon nanotube structures; and

plural electrodes disposed on the supporting members, which are electrically connected to the carbon nanotube structures and used as electrical terminals connected to external devices.